

Kim Kanzaki, Reg No. 37,652, (650) 326-2400
Atty. Docket: 020174006800

Title: An Object Oriented Microfluidic Design Method And System
Applicant: Gregory Harris et al.
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20174-0068

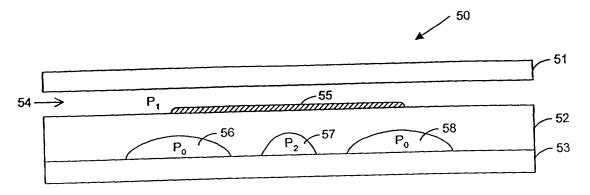


FIG. 5A2A

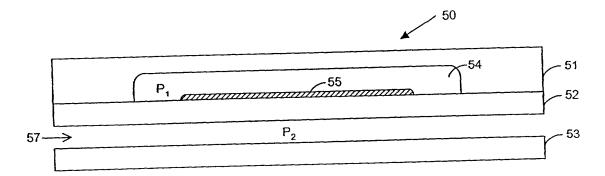


FIG. 58 2B

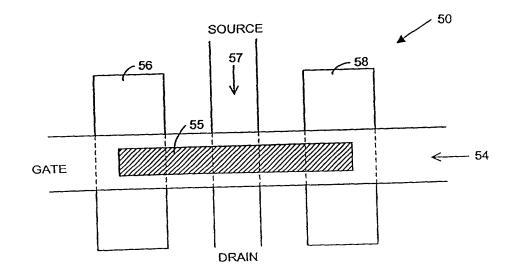
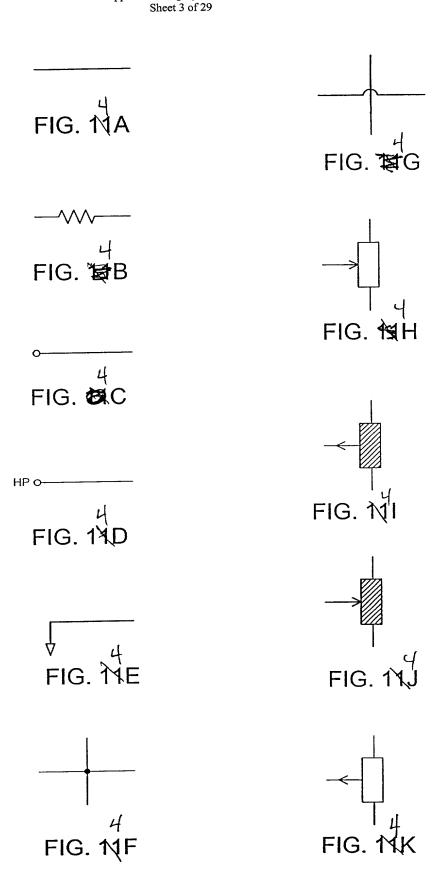
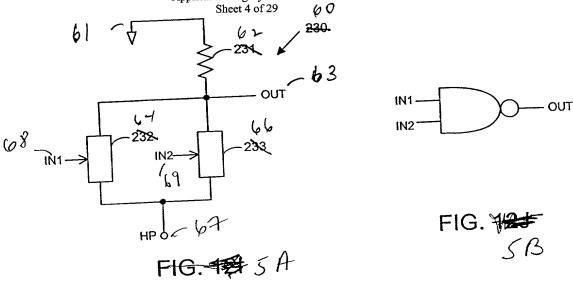


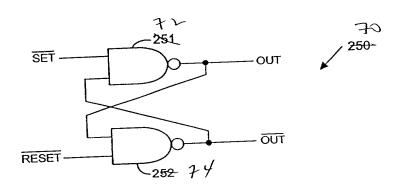
FIG. \$3

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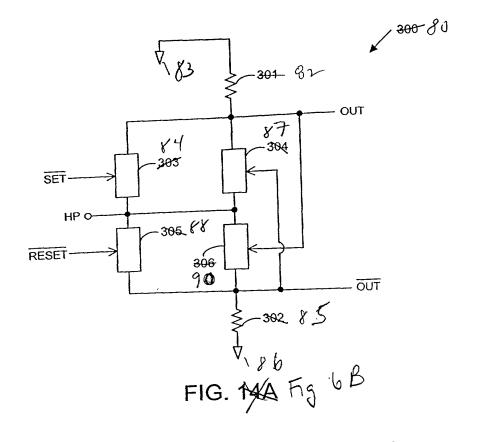
Applicant: Gregory Harris et al.



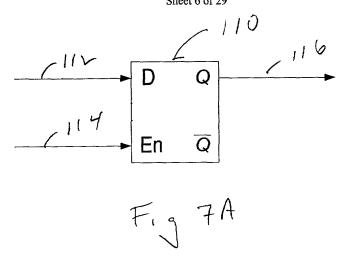


FIQ. 13 Fig 6 A

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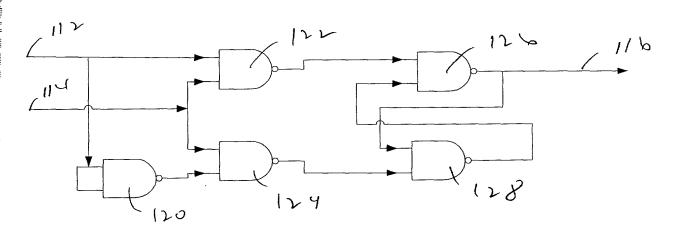
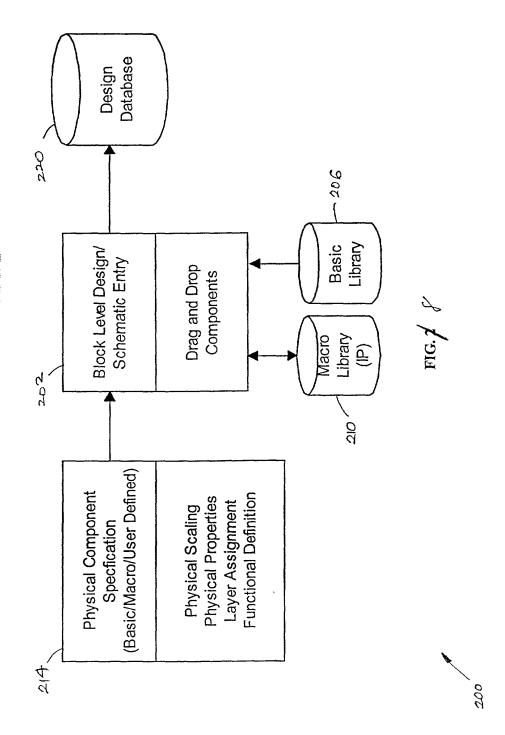


Fig7B

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On-Off Valve

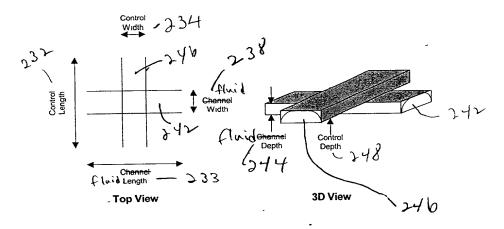
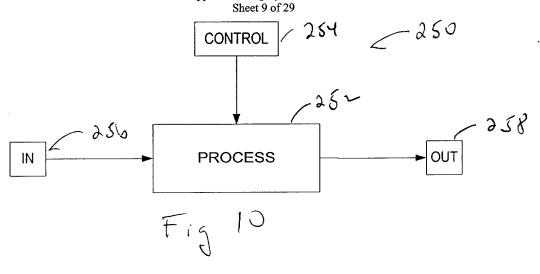
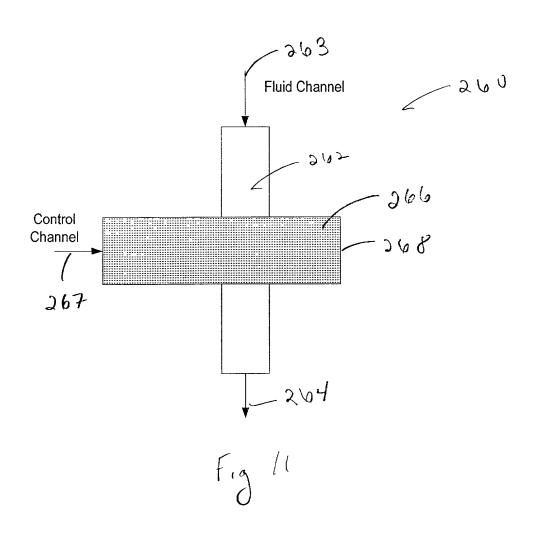
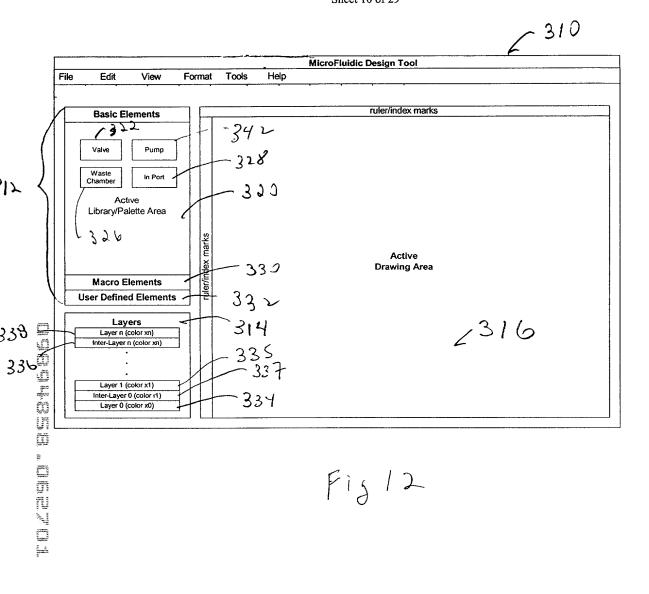


Fig 9a . Fig 96

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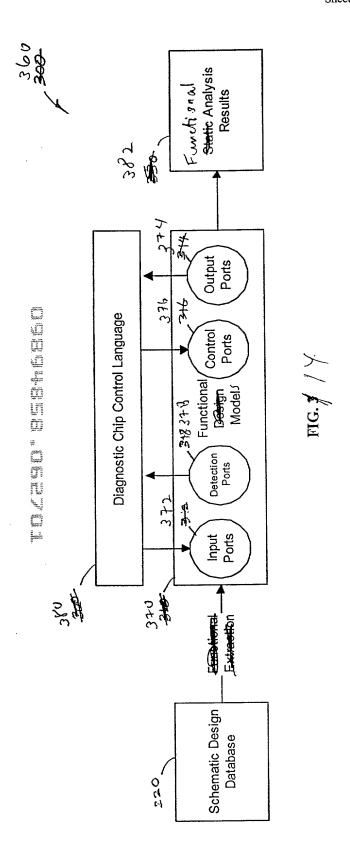




Applicant: Gregory Harris et al. Sheet 11 of 29 340 3-18-3 348-1 348 2 Fig 73A 340 Peristaltic Pump 344 T Switch

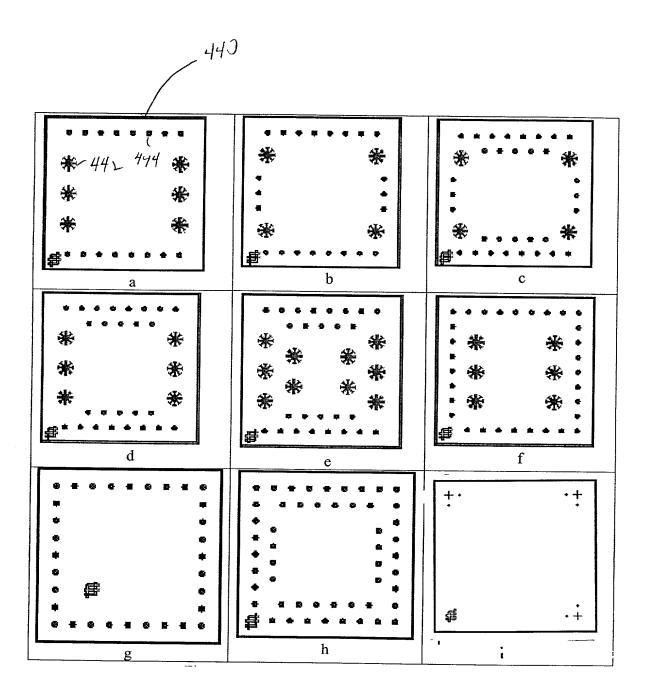
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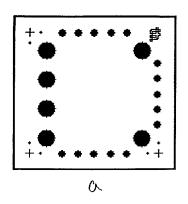
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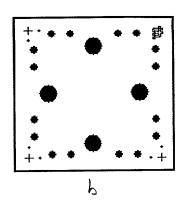
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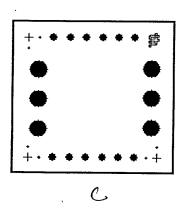


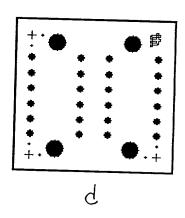
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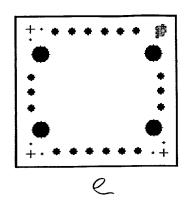
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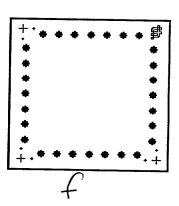






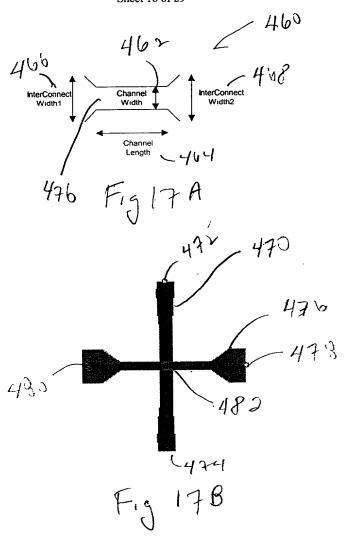


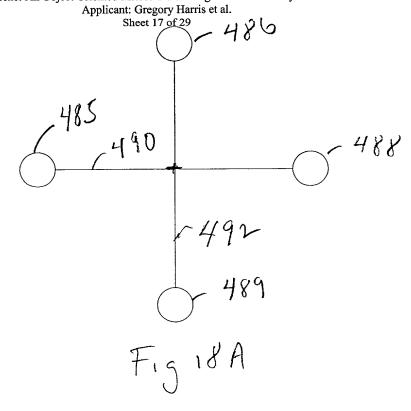


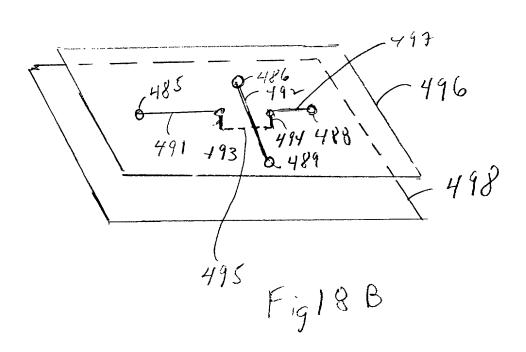


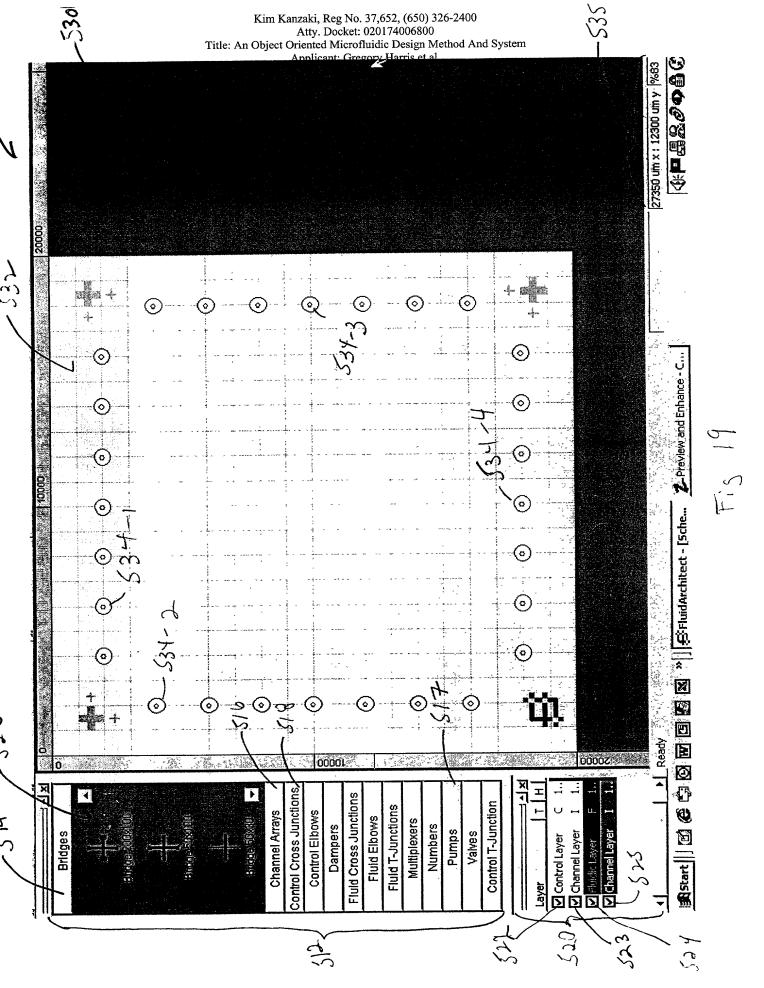
F1516. 16B

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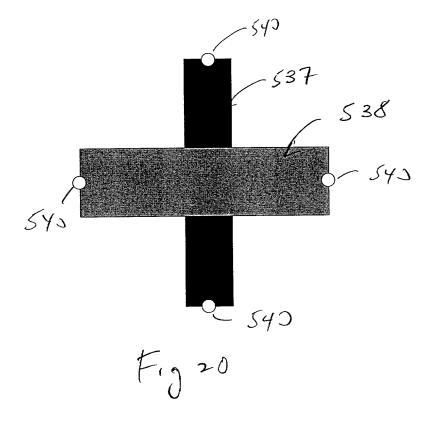








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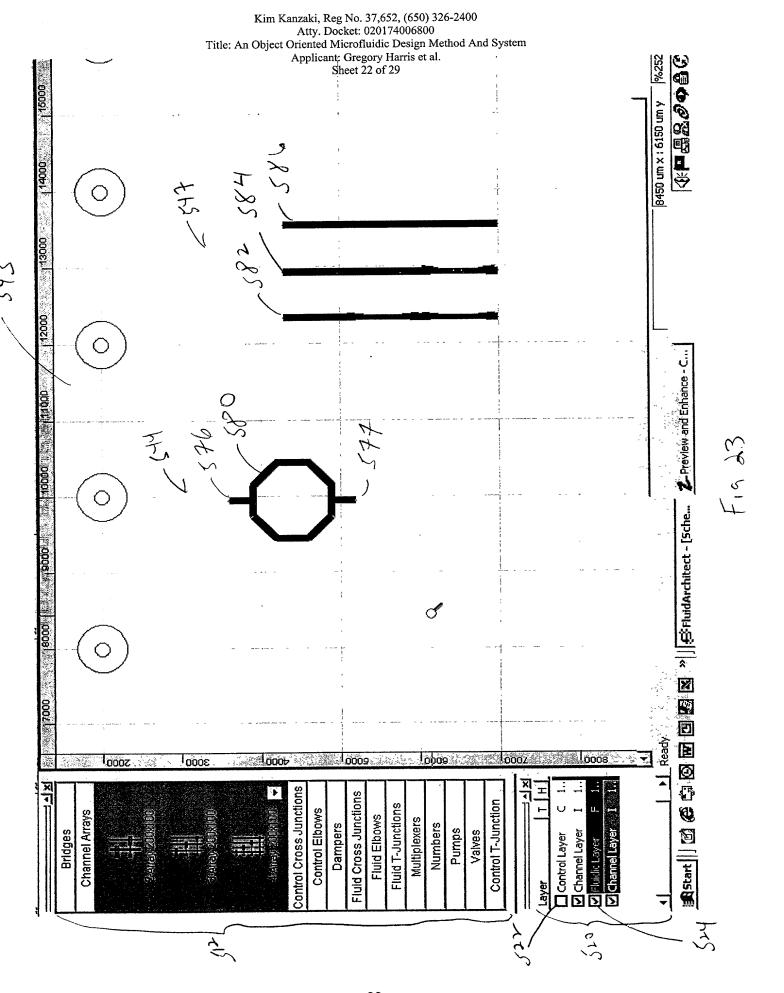


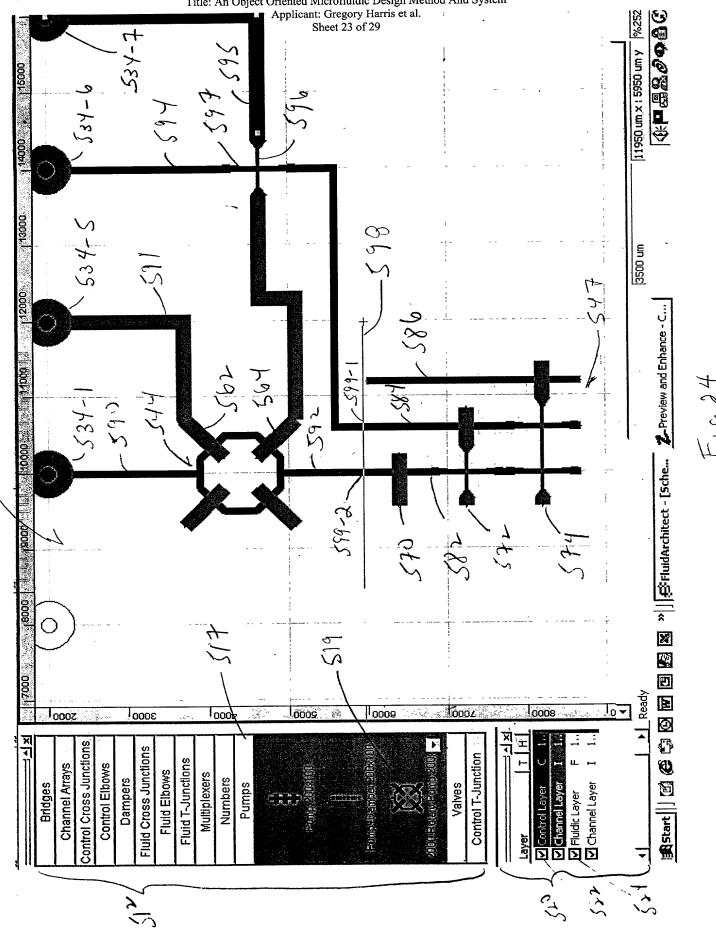
Kim Kanzaki, Reg No. 37,652, (650) 326-2400 Atty. Docket: 020174006800 Title: An Object Oriented Microfluidic Design Method And System Applicant: Gregory Harris et al. Sheet 20 of 29 金甲福路の中国の 13700 um x : 5000 um y (C) TE CE SE SE SE FluidArchitect - [Sche... Se Préview and Enhance - C... 8000 - 🙀 0009 10007 000 20009 loooz 3000 Control Cross Junctions Fluid Cross Junctions Control T-Junction Fluid T-Junctions 0 Control Elbows Channel Arrays Fluid Elbows Multiplexers Numbers Control Layer

Channel Layer

Channel Layer Pumps Valves 图 Start

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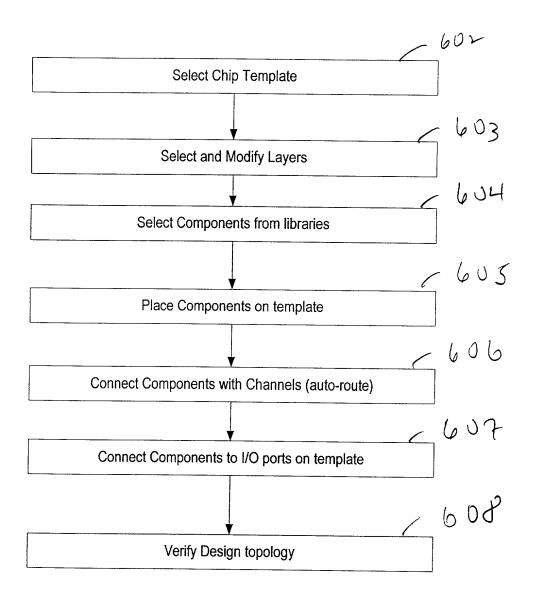
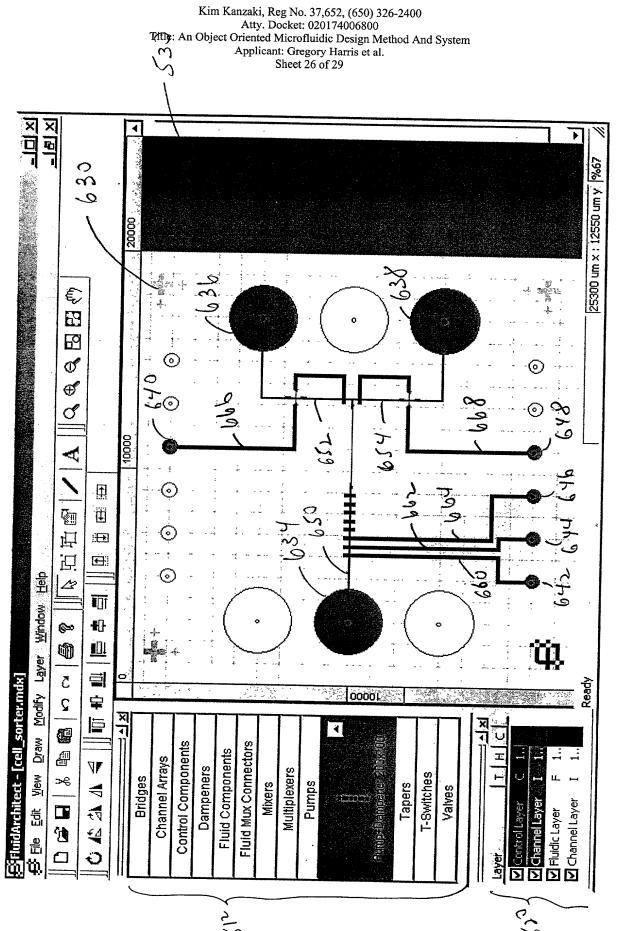


Fig 25

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Sheet 27 of 29 652 636 732-1 Bridge 634 Fluidic Tapers 718 650 71 Pump712 T-sorter 722 720 Detection Region 724 716 418-2 654 Bridge 7-32= 800

Atty. Docket: 020174006800 Title: An Object Oriented Microfluidic Design Method And System -808 -808 Applicant: Gregory Harris et al. Sheet 28 of 29 812 808 **CMDCModel** 814 **CMDCIOPortComponent** (e.g., I/O Port on template) 820 830 **CMDCSymbolComponent CMDCPrimaryLayerComponent** (e.g., Microfluidic Component Symbol) (e.g., Fluid or Control Layer) ~840 822 isGraphic() -832 CMDCSymbolLayerComponent **CMDCInterLayerComponent** (e.g., Symbol Layer) (e.g., Channel Layer) 824 834 **CMDCChannelComponent** CMDCChannelComponent (e.g., Channel) (e.g., Channel) 826 -836 **CMDCPortComponent CMDCPortComponent** (e.g., Component Port) (e.g., Channel Port)

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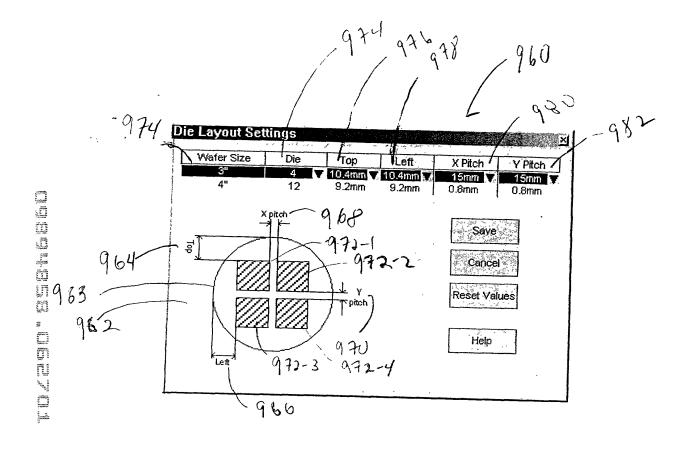


Fig 29.